

**METHOD OF PREPARING A PROTEIN ARRAY BASED ON
BIOCHEMICAL PROTEIN-PROTEIN INTERACTION**

ABSTRACT OF THE DISCLOSURE

- 5 A method of preparing a protein array based on biochemical protein-protein interaction is provided. An array of a first protein which includes a PDZ domain is deposited on a substrate. A second protein, which includes an amino acid sequence (S/T)-X-(V/I/L)-COOH
10 (each hyphen represents a peptide bond, each parenthesis encloses amino acids which are alternatives to one other, each slash within such parentheses separates the alternative amino acids, and the X represents any amino acid which is selected from the group comprising the
15 twenty naturally occurring amino acids), is applied to the first protein array. The amino acid sequence (S/T)-X-(V/I/L)-COOH of the second protein is bound to the PDZ domain of the first protein.
- 94